

# News and Notes

## Pan Indian Ocean Science Congress

N. R. Srinivasan

*Department of Metallurgy,  
Indian Institute of Science, Bangalore, India*

THE first session of the Pan Indian Ocean Science Congress was held in the Indian Institute of Science, Bangalore, January 2-10. Pandit Jawharlal Nehru, Prime Minister of India, inaugurated it in a colorful ceremony attended by some 30 delegates from Australia, New Zealand, Burma, Malaya, Ceylon, Madagascar, the Netherlands and Portugal. Scientists from the United Kingdom included P. M. S. Blackett, R. S. Pierls, and L. Rosenfeld. F. Perrin, French Atomic High Commissioner, L. Fieser, and G. Wentzel, of the U. S., who came for the 38th Indian Science Congress, also attended. The increasing importance of science in the Far East had culminated in a proposal made by the Australian Council of National Research to hold a congress of scientists of the countries around the Indian Ocean in an endeavor to solve problems of mutual interest. The government of India evinced keen interest and invited the first session to India. H. J. Bhabha, cosmic ray expert and president of the Indian Science Congress, was elected the first president of the Pan Indian Ocean Science Congress.

The delegates presented in all 19 papers, most of which came from Australia. The papers pertained to the physics of rain formation and radio-frequency radiation from the galaxy, by E. G. Bowen; soils of Australia, by B. E. Butler; "Australian Aboriginal Culture and the Orient," by A. P. Elkin; "Some Aspects of Plant Genetics," by A. J. Millington; "The Green Flash at Sunset," by A. D. Ross (leader of the Australian delegation and observer for New Zealand); and "Endocrinology of the Thyroid and Pituitary Glands," by V. M. Trikojus. J. Millot, of Madagascar, presented papers on "Erosion, Excavations and Research in Entomology in Madagascar." Professor Mahadevan, of India, gave a paper on "Recent Advances in Gondwana Geology." The delegates also gave special talks and popular lectures, which were highly appreciated.

The interim constitution of the Pan Indian Ocean Science Congress was drafted after considerable discussion. It was decided that the congress should meet at intervals of not less than two years; the next meeting is scheduled to take place in Australia in the middle of 1953. The General Council will consist of the following: H. J. Bhabha (India), president; A. D. Ross (Australia), Ba Thi (Burma), N. G. Baptist (Ceylon), J. Millot (Madagascar), Professor Robinson (Malaya), H. A. Ferreira (Portugal); and B. Sanjiva Rao (India), secretary.

Membership in the congress will be open to independent countries bordering the Indian Ocean, and the congress will undertake cooperative work in several fields of science. In the physical sciences recommendations will be made by the participating countries for new research work of potential significance. In the biological sciences a section will be devoted to matters connected with public health and nutrition, and liaison will be established with international organizations such as WHO. In the agricultural sciences, to increase agricultural production and raise the standard of living, it was decided to have a free exchange of personnel and information. In the social sciences, population studies, and surveys of education, cultural amenities, national incomes, and related fields will be undertaken. In order to add to fundamental knowledge concerning the Indian Ocean in all its aspects, the congress urged close cooperation in studying geography and oceanography between the governments of the bordering countries.

In concluding the session, the president said that much could be done by close scientific cooperation among different countries. Dr. Ross said that there was much in common among the countries bordering the Indian Ocean, and that mutual help will result in national prosperity for all of them.

The delegates were taken on a tour of places of ornamental and historical interest in the State of Mysore and other parts of the country. Visits to industrial concerns and educational institutions were arranged, and the delegates were also entertained at several "At Homes," heard Indian music, and saw performances of native dances. The first session of the Pan Indian Ocean Science Congress can be considered to be a success, and a vast opportunity lies before the organization to contribute to prosperity in the Far East.

## Scientists in the News

Fernando Albuquerque, director of the National Council of Geographers, Rio de Janeiro, has been in Washington, D. C., studying at the Orientation Center of Wilson Teachers College. He will also study cartography at the United States Coast and Geodetic Survey.

W. C. Allee, after serving 29 years in the Department of Zoology at the University of Chicago, has become emeritus professor of zoology. He has been appointed head professor of biology at the University of Florida. At the request of both institutions, he is retaining the position of managing editor of *Physiological Zoology*.

Harwood S. Belding has been appointed professor of environmental physiology, and Maurice A. Shapiro assistant professor of sanitary engineering, in the

Graduate School of Public Health, University of Pittsburgh. Dr. Belding comes to the School of Public Health from the Quartermaster Climatic Research Laboratory, Lawrence, Mass., where he has served as director since 1946. Mr. Shapiro was engineering research associate for the American Public Health Association and previously worked in the USPHS.

**M. C. Chang** has been appointed supervisor of the Foundation of Applied Research's cattle ova transplantation program, which is designed to enable ordinary scrub cows to give birth to registered, high-quality animals. To date the experiment has produced pregnancies in cattle, but no births. Dr. Chang, who has successfully transferred the eggs of rabbits, has assumed full direction of the project, replacing **Raymond E. Umbaugh**, who resigned.

**Dorothy J. Comins**, of the Catalog Division, Army Medical Library, is teaching courses in the newly organized library school at the Sociedad Económica de Amigos del Pais, Havana, Cuba. Arrangements for the assignment were made between the Army Medical Library and the Library of Congress as a part of the program operated with funds transferred from the Department of State under Public Law 402, the purpose of which is the promotion of international understanding.

Two members of the Department of Surgery at the University of Illinois College of Medicine, **Vernon C. David** and **R. J. E. Oden**, have been given emeritus status by the Board of Trustees upon reaching their 68th birthdays. Dr. David has held the rank of Rush clinical professor of surgery in the College of Medicine since 1941, having previously served on the faculty of Rush Medical School. Dr. Oden, clinical associate professor of surgery, has been a member of the medical faculty since 1925. Since 1919, Dr. Oden has been an attending surgeon on the staff of Augustana Hospital.

The University of Edinburgh's *Senatus Academicus* elected **Gustav Egloff**, Universal Oil Products Company, to give the biennial "Romanes Lecture in Chemistry for 1951." Dr. Egloff, vice president of the Third World Petroleum Congress, will attend the congress in The Hague, May 28-June 6, at which time he will lecture on "Polymerization of Olefinic Hydrocarbons."

**Frank B. Engley, Jr.**, has been appointed associate professor of bacteriology at the University of Texas Medical Branch, Galveston. Dr. Engley received his Ph.D. from the University of Pennsylvania, where he was instructor in bacteriology. During the war he served as bacteriologist in the Chemical Corps at Camp Detrick.

**Prakrity Kumar Ghosh**, of the Geological Survey of India, is spending about two of his four months' UN fellowship grant under the general guidance of the U. S. Geological Survey, observing the latest scientific and technical methods and techniques employed in geological investigations and research, as related to

the discovery and ultimate development of mineral deposits such as iron, manganese, lead-zinc, vanadium, and chromite. The grant was given in connection with the UN Economic Development Fellowship program.

Among foreign visitors at ARA Bureaus in Washington and Beltsville during January were: **Sadiq Husain**, Ministry of Food and Agriculture, Pakistan; **Oddmund Amundstad** and **Georg M. Ronnevig**, Norway; **N. Abdullah**, Iraq; **Sir Stanton Hicks**, Australia; and **Mitsuo Nakamura**, Japan.

**Charles D. Kochakian**, formerly associate professor of physiology, University of Rochester Medical School, has been appointed assistant director of the Medical Research Institute, University of Oklahoma School of Medicine. Dr. Kochakian is an endocrinologist and physiological chemist and is internationally known for his work on hormones and growth.

**Charles E. Loucks** is now in command of the Army's chemical center at Edgewood, Md., replacing **E. F. Bullene**. General Loucks was formerly in charge of the Chemical Division, European Command, and during World War II he directed the Chemical Corps' Rocky Mountain Arsenal at Denver.

**John L. McHugh** has assumed his new position as director of the Virginia Fisheries Laboratory at Gloucester Point. Prior to accepting this appointment Dr. McHugh was prominent in the direction of the Marine Life Research Program at the Scripps Institution of Oceanography.

**David E. Price** has been appointed as assistant surgeon general of the Public Health Service and an associate director of the National Institutes of Health. **Norman H. Topping**, Associate Director of the National Institutes of Health for the past three years, will continue in that capacity and will assist the director, **William H. Sebrell**, with the intramural research program, including the representation of National Institutes of Health interests with other governmental agencies. As associate director, Dr. Price will assist the director in representing the National Institutes of Health in extramural operations, including coordination of the various grants programs, community services, and relations with the various voluntary organizations with which the institutes share mutual interests.

**Harold D. Priddle** has been appointed to the Wayne University College of Medicine staff as supervisor of a graduate program for specialized training in obstetrics and gynecology. The program has been made possible by a \$10,000 grant from the Michigan Department of Health. Dr. Priddle was formerly on the staff of the Chicago Lying-in Hospital.

**Robert Edward Stevenson**, formerly with the technical service department of the National Cotton Council of America, has been appointed as textile technologist in the Washington, D. C., office of the USDA's Bureau of Agricultural and Industrial Chemistry. He

will help plan and coordinate investigations at the four regional research laboratories on new and wider uses for cotton and other fiber crops, development of synthetic fibers from agricultural materials, and utilization of straw and other agricultural residues.

**Gilbert L. Woodside** was named dean of the Graduate School at the University of Massachusetts effective November 1 upon the retirement of the present director, **Fred J. Sievers**. The new dean has been head of the state university's Zoology Department since September 1948, and has been engaged in cancer research for several years, in association with **George W. Kidder** at Amherst.

## Grants

**Utah State Agricultural College** has received a grant of \$50,000 from the Kennecott Copper Corporation. Half the grant is to support research on the mineral nutrition of plants and animals, with emphasis on chlorosis and related mineral deficiency diseases of horticultural crops, and on a disease of range beef cattle that may be associated with deficiencies of copper and cobalt. The other half will support the breeding program for the improvement of Rambouillet sheep, in cooperation with the Western Sheep Breeding Laboratory.

The **American Philosophical Society** has announced 16 grants from the Penrose and Johnson Funds, of amounts ranging from \$375 to \$5,000. Among the recipients are **Fred Alexander Barkley**, of Argentina; **Howard J. Dittmer**, of the University of New Mexico; **Louis M. J. Schram**, of Arlington, Va.; and **Gerald R. Seaman**, of the Medical Branch, University of Texas, for research in the geological and biological sciences; **Dorothy S. Thomas**, of the University of Pennsylvania, and **Erwin H. Ackerknecht**, of the University of Wisconsin, for work in the social sciences; **Evo-Maria Jung**, of Georgetown University, for research in medical history; **Vilhjalmur Stefansson** for studies in the history of exploration; **Wendell H. Camp** and **Ruth Patrick**, of the Academy of Natural Sciences, for botanical studies; and the University of Pennsylvania Museum for archaeological excavations in Iran and Cyprus.

**Cornell University** announced recently the receipt of a grant of \$325,000 from the **Rockefeller Foundation** to support a broadened program of Southeast Asia studies aimed at greater understanding of the peoples of Thailand, Burma, Indo-China, Malaya, Indonesia, and the Philippines. The program will provide "area and language" training for graduate students who at the same time will be working toward higher degrees in one of the recognized fields of the social sciences, humanities, or natural sciences. Students will be expected to complete their training through actual research experience in the field. The program will be directed by **Lauriston Sharp**, professor of anthropology. A number of graduate fellowships will be offered each year to encourage students who wish to work under the program.

A new program of basic research designed to discover an answer to the cerebral palsy problem has been inaugurated by the University of Illinois College of Medicine, supported by funds from the **Cerebral Palsy Association of Illinois**; \$50,000 has been allocated for a five-year program. The study will be undertaken by **S. N. Stein** and a team of medical investigators in the University's Department of Psychiatry, headed by **Francis J. Gerty**. They plan to map out precisely the site of damage in the brain and the distribution of transmitted impulses from those damaged areas. If this information can be obtained, it is hoped that new methods can be developed along surgical and medicinal lines to aid the afflicted.

**Eli Lilly and Company**, of Indianapolis, has announced that it has approved grants to the following: **Lester D. Odell**, chairman, Department of Obstetrics and Gynecology, University of Nebraska College of Medicine, who will study therapy of the toxemias of pregnancy; **William A. Jeffers**, University of Pennsylvania, who will study cardiovascular drugs; and the Institute for Cancer Research, Philadelphia, for work on the relationships of fungi to tumor growth, under the direction of **Irene C. Diller**.

The **American Heart Association** has set up an international study group to evaluate the effectiveness of ACTH and cortisone in the treatment of rheumatic fever and the prevention of rheumatic heart disease. The grants have been provided by the National Heart Institute of the USPHS. **Armour & Co.** and **Merck & Co., Inc.**, have contributed \$5,000 each and will also supply the hormones. The study will be undertaken through 12 research centers in the U. S., Canada, and Great Britain and will be headed by **David D. Rutstein**, professor of preventive medicine at Harvard Medical School.

## Fellowships

**McCollum-Pratt Institute**, of The Johns Hopkins University, is offering a three-year, postdoctoral fellowship to support a young scientist doing general work in the trace element field. The fellowship was established by **Earle F. Johnson**, a former vice president of General Motors.

A group of electrical contractors in the New York metropolitan area, members of the **Joint Industry Board of the Electrical Industry**, is sponsoring, at Columbia University, a combined labor-management scholarship program, which will entail an annual expenditure of more than \$55,000. The scholarships will be available only to sons of workers affiliated with Local Union No. 3 of the AFL International Brotherhood of Electrical Workers who are also members of the industry's pension plan.

**Illinois Institute of Technology** is accepting applications for the **Westinghouse Fellowship** in power systems engineering. The training will include experience with the A-C Network Calculator. For application blanks and further information, write to Office

of Admissions, Graduate School, Illinois Institute of Technology, Chicago 16. Applications must be received by *March 15*.

The **State University of Iowa College of Medicine** is offering two fellowships, supported by the Medical Service Funds, to graduates in medicine who contemplate academic careers. The salary will be \$3,600–\$4,000 per year. Application blanks, which must be submitted before *April 1*, may be obtained from the Office of the Dean, College of Medicine, State University of Iowa, Iowa City.

## Colleges and Universities

An Atomic Energy Laboratory is soon to be in operation at **Indiana University's** Department of Chemistry for research in peacetime uses of atomic energy. The laboratory is being established in cooperation with the AEC, and will be under the direction of Frank T. Gucker, Jr., head of the Department of Chemistry. It will engage in research in the use of radioactive isotope tracers in chemical and biochemical analyses, and in training senior and graduate students in tracer technique. The tracer research will be an expansion of work that has been under way at I. U. for some years. Some of the isotopes used will be produced in the Department of Physics cyclotron. Chemical research will be directed by L. L. Merritt, Jr., assisted by Hans Berneis and Charles Weber. Student training will be under Ralph L. Seifert. Research in biochemical fields will be directed by Felix Haurowitz and Harry G. Day.

**Princeton University** has acquired the plant and property adjoining the university property formerly occupied by the Rockefeller Institute for Medical Research. It will be converted into a research center in the fields of aeronautical engineering, jet propulsion, chemical kinetics, and related sciences to be established as a memorial to the late James Forrestal. Two three-story major laboratories, and 13 single-story buildings are available for research purposes.

The annual **Dairy and Food Inspectors' and Sanitarians' School** will be held at Michigan State College on April 10–13. Those interested may obtain full details of the school and a copy of the program by writing to Dr. W. L. Mallmann, Department of Bacteriology and Public Health, Michigan State College, East Lansing.

A training course for cardiovascular investigators, sponsored jointly by the USPHS, American Heart Association, and **Western Reserve University School of Medicine**, will be held in the Department of Physiology July 1, 1951–June 30, 1952. The course will consist of formalized training in research methods used in cardiovascular research, assisting experienced investigators with current research, independent research under supervision, and experience in the preparation of a manuscript. Although primarily organized for postdoctorate training, a few especially qualified predoctorates may be accepted. Postdoctorate

candidates accepted for training will be recommended to the Director of the National Heart Institute, USPHS, for a research traineeship carrying a stipend ranging from \$3,000 to \$3,600 per annum, depending on marital status. Application blanks may be obtained from Carl J. Wiggers, Program Director, Western Reserve University School of Medicine, Cleveland 6, Ohio.

The Philadelphia Section of the American Chemical Society is sponsoring three special noncredit evening courses to be given at the **Philadelphia College of Pharmacy and Science**. Two-hour lectures will be given on successive Monday evenings, beginning February 12, on "Chemical Engineering Equipment Design and Cost Estimating;" "Chemistry of Hydrocarbons" will be given on successive Tuesday evenings, beginning February 13; and "Determination of Molecular Structure by Physical Methods" will be given on successive Wednesday evenings, beginning February 14.

The Division of Biological Sciences at the **University of Illinois** is sponsoring a special series of lectures on evolutionary topics. G. Ledyard Stebbins, Jr., University of California, Berkeley, delivered three lectures: "Natural Selection in Plants," "The Origin of Species in Plants," and "Paleobotany, Plant Distribution, and rates of Evolution" (January 2–6). Ernst Mayr, of the American Museum of Natural History, lectured on "The Nature of Species" and "Patterns of Speciation" (January 15–17). Later in the spring, Alfred S. Romer, Museum of Comparative Zoology, Harvard, will deliver a series of lectures on "Evolution and Paleontology."

The **University of Missouri** has opened a new unit in its Chemistry Department building program. During the opening ceremonies J. H. Mathews, University of Wisconsin, spoke on the application of scientific methods to criminal identification, and Earl A. Long, University of Chicago, spoke on the superfluid properties of Helium II.

The Department of Defense is organizing a committee on educational planning, to be headed by J. J. O'Donnell, currently Chief of Information and Education. The committee will attempt to define departmental needs at college and university levels and to work with educational institutions in having these needs met. One of the first steps will involve a resumption of the accelerated programs of instruction that were in force during the war. It is anticipated that 85 per cent of the country's colleges and universities will again be operating on a trimester or four-quarter basis by next September.

The Daniel and Florence Guggenheim Aviation Safety Center has been established at **Cornell University** to foster the improvement of aviation safety through research, education, training, and the dissemination of safety studies to the industry and of air safety information to the general public. Headquarters are in New York City, in space provided by the

Institute of the Aeronautical Sciences, 2 E. 64th St.

A modern isotope laboratory has been established in the Division of Biological Chemistry at **Hahnemann Medical College and Hospital**, Philadelphia. This laboratory will foster research with isotopes in the various departments of the college and also provide facilities for the use of isotopes in clinical diagnosis and therapy. Jay S. Roth will be in charge. The clinical program will be carried out in cooperation with Samuel Geyer, of the Department of Radiology, and other hospital staff members.

MIT is offering a special program in Food Technology during the 1951 Summer Session, June 25–July 13, Mondays through Fridays. Letters of application, including appropriate details regarding experience and background, and requests for further information should be sent to Professor Walter H. Gale, Room 3–107, Massachusetts Institute of Technology, Cambridge 39, Mass.

**University of Michigan** scientists have been awarded a two-year AEC contract amounting to \$30,000 for the first year. The funds will be used to continue development, alteration, and operation of the 300-mev "race track" synchrotron, by means of which Michigan physicists are investigating the structure of the protons in the center of the atom. H. R. Crane, professor of physics, is directing the research.

Word has arrived from Peking indicating that the **Peking Union Medical College** has been taken over by the Chinese People's Government. This institution, established by the Rockefeller Foundation about thirty years ago, has been outstanding in the training of educational leaders and research personnel in medicine. It now becomes a "National" Medical College.

### Meetings and Elections

The first national meeting of the **International Society for General Semantics** will be held in June at the University of Chicago. Members of the society who wish to present papers should send preliminary descriptions or abstracts to Dr. Russell Meyers, University Hospitals, State University of Iowa, Iowa City.

**Phi Sigma Biological Society** held its biennial meeting December 27–29 at the University of Denver and the University of Colorado. The following officers for 1951–52 were elected: honorary president, Harley J. Van Cleave; chancellor, Karl F. Lagler; retiring chancellor, Arthur I. Ortenburger; vice chancellor, Erwine Hall Stewart; secretary, Henry van der Schalie; treasurer, Tema Shults Clare; editor, Anselm M. Keefe.

Edward G. Budd, Jr., president of the Budd Company, and James H. Robins, president of the American Pulley Company, have recently become vice presidents of the **Franklin Institute**. A. Felix du Pont, Jr., fills the vacancy on the institute's Board of Managers created by the death of his uncle, E. Paul du Pont. Another new board member is James Creese, president of Drexel Institute of Technology.

### Recent Deaths

**Otis W. Barrett** (78), botanist, Clarendon, Vt., Oct. 6, 1950; **L. S. Berg**, geographer, Moscow, Dec. 26, 1950; **Ralph R. Brady** (55), lighting engineer, Livingston, N. J., Dec. 10, 1950; **Guy Irving Burch** (51), population analyst, Washington, D. C., Jan. 13, 1951; **William Buschke** (43), ophthalmologist, New York, Dec. 21, 1950; **A. Benson Cannon**, dermatologist, Millbrook, N. Y., Nov. 27, 1950; **Sir George L. Cheate** (85), surgeon, Bushey, Hertfordshire, Eng., Jan. 2, 1951; **Walter G. Clark** (74), engineer, Los Angeles, Dec. 17, 1950; **Lewis A. Conner** (83), heart specialist, New York, Dec. 4, 1950; **Robert L. Dickinson** (89), gynecologist, Amherst, Mass., Nov. 29, 1950; **Gösta Forssell** (74), radiologist, Stockholm, Nov. 14, 1950; **Philip Franklin** (70), surgeon, London, Jan. 7, 1951.

**L. C. Glenn** (79), geologist, Nashville, Jan. 11, 1951; **Benjamin Gruskin** (68), pathologist, Durham, N. C., Dec. 5, 1950; **Theodore S. Hart** (81), heart specialist, New York, Jan. 1, 1951; **Forrest R. Hughes** (57), engineer, New Haven, Jan. 5, 1951; **Frederic H. Lewey** (65), neuroanatomist, Pennsburg, Pa., Oct. 5, 1950; **A. Cressy Morrison** (86), former executive of Union Carbide and Carbon Corp., Brooklyn, Jan. 9, 1951; **Yoshio Nishina** (61), physicist, Tokyo, Jan. 10, 1951; **Harlan B. Perrins** (56), gynecologist, New Haven, Nov. 9, 1950; **Elsmere R. Rickard** (51), public-health authority, Fort Myers, Fla., Jan. 16, 1951; **Joseph F. Ritt** (57), mathematics professor, New York, Jan. 5, 1951.

**Leonard C. Sanford** (82), ornithologist, Port Sewall, Fla., Dec. 7, 1950; **Samuel A. Savitz** (67), lung specialist, Philadelphia, Nov. 30, 1950; **J. Eastman Sheehan**, plastic surgeon, New York, Jan. 8, 1951; **Kenneth Simpson** (68), engineer, New York, Jan. 13, 1951; **Robert D. Sinclair** (58), agriculturist, Edmonton, Canada, Sept. 30, 1950; **W. H. Stevenson** (78), agriculturist, Ames, Iowa, Jan. 7, 1951; **Walter R. Sweadner** (47), entomologist, Pittsburgh, Jan. 13, 1951; **Jean-Hyacinthe Vincent** (87), epidemiologist, Paris, Nov. 23, 1950; **George G. Ward** (82), gynecologist, New York, Dec. 20, 1950; **Francis C. Wood** (81), pathologist, Englewood, N. J., Jan. 5, 1951.

### Miscellaneous

A **Bureau of Labor Statistics** survey has revealed that of the 42,000 scientists covered one half were employed by colleges and universities and drew a median salary of \$4,860 a year. The 27 per cent who work in private industry have a median annual salary of \$7,070, and the 13 per cent in government draw \$3,280. The other 10 per cent either are self-employed or are employed in such jobs as scientific writing.

A cooperative is being organized for the purpose of exchanging stocks and information relating to **tomato genetics**. Anyone interested in joining the group should write to C. M. Rick, University of California, Davis.